<u>REMARKS</u>

Favorable reconsideration of this application is respectfully requested.

Claims 1-19 are pending in this application. Claims 15-19 are allowed. Claims 1-14 were rejected under 35 U.S.C. § 103(a) as unpatentable over U.S. patent 6,678,068 to <u>Richter et al.</u> (herein "<u>Richter</u>") in view of U.S. patent 5,706,411 to <u>McCormick et al.</u> (herein "<u>McCormick</u>") in view of <u>Canon</u>'s imageRUNNER 5000 series user's guide (herein the "<u>Canon</u>" reference).

Initially, applicants gratefully acknowledge the indication of the allowance of claims 15-19.

Addressing the above-noted rejection, applicant respectfully submits the claims as written distinguish over the applied art.

Independent claims 1 and 14 are amended by the present response to further recite that the display includes a plurality of "different <u>individual</u> distinct components <u>aligned in a successive progression from image data reception to image printing to</u> successively indicate the different processes from image data reception to data printing, and that are displayed simultaneously on a display portion". That subject matter is believed to be fully supported by the original specification, for example in Figure 2 showing the various different individual distinct display components 31-38 aligned in a successive progression from image data reception to image printing and successively indicating different processes from image data reception to data printing that the image data is undergoing at any given moment, and that are simultaneously displayed.

The applicant of the present invention recognized that in the conventional art of printing apparatus the status of print jobs has not always been displayed clearly enough so that a user can be comfortable in determining, when a printing operation is being delayed, whether the printing apparatus is merely taking a long time or a problem has occurred and

printing has been stopped.[1] Thus, one object of the present invention is to provide a printing

apparatus with enhanced displays so that a user can have a better understanding of the

progress of printing jobs. One manner in which the present invention achieves such an

objective is to include plural different display components successively indicating different

processes the image data is undergoing at any given moment, and that can be simultaneously

displayed on a display portion. As shown for example in Figure 2 in the present specification

the various display components 31-39 provide displays such as a spooling indicator 31, a

spool data display 36, a drawing indicator 33, a drawing page data display 34, a saved job

data display 35, a printed page data display 36, a printing indicator 37, a supply/exit tray data

indicator 38, and a message display 39, all as non-limiting examples of different types of

display components of the different processes the image data is undergoing at any moment,

and that can be simultaneously displayed.[2] Several of the dependent claims recite such

individual display components.

The basis for the outstanding rejection recognizes deficiencies in <u>Richter</u>, specifically

stating:

> Richter does not disclose expressly the display means
> comprising a plurality of <u>different</u> display components
> <u>successively indicating</u> the different processes and wherein the
> display is part of a printing apparatus.[3]

To overcome the recognized deficiencies in <u>Richter</u> the outstanding rejection now

cites <u>McCormick</u>, in particular at Figure 6 and at column 5, line 62 – column 6, line 9. The

outstanding Office Action specially states <u>McCormick</u>:

> ...shows a bitmap of a printer and a computing device that are
> animated to depict the progression of printing along the status
> of the pages that make up the entire print job, such as pages
> ready for printing and pages being printed, all of which is

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[1] See for example the present specification at page 3, lines 3-13.
[2] See the Specification at page 14, lines 3-9.
[3] Office Action of September 7, 2006, page 3, last full paragraph (original emphasis).

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shown simultaneously and dynamically, which is analogous to the claimed limitation).[4]

The basis for the outstanding rejection recognizes further deficiencies in even the combination of Richter and McCormick and further cites the Canon reference for further teachings.

However, applicants respectfully submit no combination of teachings of the applied art fully meets the limitations now clarified in the claims.

As noted above, and again with reference to Figure 2 in the present specification as a non-limiting example, the claimed display includes different individual display components aligned in a successive progression, see display components 31-38. Those display components successively indicate the different processes from image data reception to data printing. Thereby, in the claimed invention the user can simply follow the progression of the individual distinct display components to follow the progression of image printing, all in a single display. No combination of teachings in the prior art fully meets or suggests these limitations.

First, Richter discloses displaying one of several noted messages at a time, but Richter does not disclose any type of simultaneous display as claimed.

The now cited secondary disclosure to McCormick only discloses a single display icon of a printer device in Figs. 5 and 6, which can show a piece of paper 54 moving through the printer. Clearly in that respect McCormick actually teaches away from the claimed features of having "a plurality of different individual distinct display components allied in a successive progression from image data reception to data printing". The depiction of a single display icon of a printer in McCormick teaches away from such claim features, as McCormick clearly does not disclose individual distinct display components, and McCormick further does not disclose such components "aligned in a successive progression

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[4] Office Action of September 7, 2006, the paragraph bridging pages 3 and 4.

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from image data reception to data printing". Again in Figure 2 in the present specification as a non-limiting example different display components 31-38 are aligned in a successive progression, and each are individual distinct display components. McCormick clearly does not disclose or suggest such features.

Further, the Canon reference merely discloses being able to list different jobs and their statuses. The Canon reference is not at all directed to the claimed features. In that respect the Canon reference does not add anything to the teachings of Richter and McCormick with respect to the claim features.

In view of these foregoing comments, Applicants respectfully submit independent claims 1 and 14 and claims 2-13 dependent therefrom, clearly distinguish over Richter in view of McCormick and the Canon reference. Thereby, each of the pending claims is believed to be allowable.

As no other issues are pending in this application, it is respectfully submitted that the present application is now in condition for allowance, and it is hereby respectfully requested that this case be passed to issue.

Respectfully submitted,

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